

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

1. - 39. (Canceled)

40. (Previously presented) An implantable lead for implantation by a guidewire on or about the heart, the lead comprising:

a lead body having distal and proximal ends, the lead body defining a lumen extending from a distal aperture in the distal end of the lead body toward the proximal end of the lead body;

a conductor disposed within the lead body;

an electrode disposed proximate the distal end of the lead body, the electrode electrically coupled to the conductor; and

a seal at the distal end of the lead body, the seal having an open and a closed state, wherein when the seal is in the open state the seal receives the guidewire therethrough and when the seal is in the closed state the seal prevents fluid from entering the lumen of the lead body;

wherein the seal is transitional from the open state to the closed state and is coupled to a housing having a proximally located shoulder.

41. (Previously presented) The lead of claim 40, wherein the seal includes a cylindrical-shaped member having a closeable central aperture.

42. (Previously presented) The lead of claim 40, wherein the seal includes a member coated with expandable matrix material.

43. (Previously presented) The lead of claim 40, wherein at least a portion of the seal is formed from expandable matrix material.

44. (Canceled)

45. (Canceled)

46. (Previously presented) The lead of claim 40, wherein the seal includes a cup-shaped member coupled with the distal end of the lead body.

47. (Previously presented) An implantable lead for implantation by a guidewire on or about the heart, the lead comprising:

a lead body having distal and proximal ends, the lead body defining a lumen extending from a distal aperture in the distal end of the lead body toward the proximal end of the lead body,

a conductor disposed within the lead body;

an electrode disposed proximate the distal end of the lead body, the electrode electrically coupled to the conductor; and

a closable seal disposed at the distal end of the lead body and on an inner surface of the lead body, the closable seal defining a closable seal lumen for receiving the guidewire and includes at least one cusp.

48. (Previously presented) The lead of claim 47, wherein the closable seal includes a cylindrical-shaped member.

49. (Previously presented) The lead of claim 47, wherein the closable seal is a bicusp seal.

50. (Previously presented) The lead of claim 47, wherein the closable seal is a tricusp seal.

51. (Previously presented) The lead of claim 47, wherein the closable seal comprises a substantially rigid housing.

52. (Canceled)

53. (Previously presented) The lead of claim 47, wherein the closable seal is a quad cusp seal.

54. (Previously presented) An implantable lead for implantation by means of a guidewire on or about the heart, the lead comprising:

a lead body having distal and proximal ends, the lead body defining a lumen extending from a distal aperture in the distal end of the lead body toward the proximal end of the lead body;

a conductor disposed within the lead body;

an electrode disposed proximate the distal end of the lead body, the electrode electrically coupled to the conductor; and

a seal at the proximal end of the lead body, the seal having a first state wherein the seal defines an aperture to receive the guidewire, the seal having a second state wherein the seal limits the flow of fluids into the lead body.

55. (Previously presented) The lead of claim 54, wherein the seal aperture is adapted to close when the guidewire is removed from the aperture.

56. (Previously presented) The lead of claim 54, wherein the seal includes at least one cusp.

57. (Canceled)

58. (Canceled)

59. (Previously presented) The lead of claim 54, wherein the seal is disposed on an inner surface of the lead body.

60. (Previously presented) The lead of claim 54, wherein the seal is coupled to a housing having a proximally located shoulder.

61. - 64. (Canceled)